Annex 1

to the Rules for conferring academic ranks

(associate professor (docent))

The form

Information

about the applicant for the title of associate professor (docent)

specialty 20500 – Materials Engineering (05.17.00 – Chemical Technology)

1	Full name	Gulnur Kalimuldina
2	Scientific (academic) degree, date of award	Ph.D., 20 Sept 2017
3	Academic title, date of award	-
4	Honorary title, date of award	-
5	Position (appointed to the position)	By № 20 contract of 14.02.2012, "Nazarbayev University" was appointed to the position of Teaching Assistant then Postdoctoral Scholar. Currently holds Assistant Professor position.
6	Seniority of scientific, scientific and pedagogical activity	12 years in total, 5 years of scientific and pedagogical position: 3 years as a Postdoctoral Scholar, 2 years as an Assistant Professor
7	Number of scientific articles after defending a dissertation (associate professor)	After defending the dissertation, she has a total of 33 published scientific works, including: 1 – in recommended journals by Ministry; 31 - in international peer-reviewed scientific journals included in Web of Science Core Collection database; 31 in Scopus.
8	The number of monographs, textbooks, single-written educational (training) manuals published over the past 5 years	-

9	Persons defending a thesis under his leadership and having a degree	-
10	The laureates, prize-winners of national, international and foreign competitions, exhibitions, festivals, awards, and olympiads prepared under his leadership.	• Supervised NU undergraduate student who received awards from YRA (https://yrascience.kz/) for student projects from 2019-2020: FRIP grant (2019), " Development of tactile sensors applying PVDF material". Supervising Nursultan Turdakyn (BSc, SEDS). • Supervised student finalists in the Student Energy Challenge 2023 from KAZENERGY (Zhassulan Turar (3rd year UG student) and Merey Sembay (3rd year UG student)).
11	The champions or prize-winners of the World Universiades, the championships of Asia and the Asian Games, the champion or prize-winner of Europe, trained under his leadership,	-
12	Additional Information	Hirsch Index – 12 (Google Scholar). 2023: The State Scientific Scholarships for Young Scientists from Ministry of Higher Education and Science 2023: Receiver of the award “Woman Researcher in Renewable Energy Sources” from EY and KAZENERGY 2016: TEPCO Memorial Foundation Japan, international conference attendance grant 2016: Corporate Fund Japan, international conference attendance grant 2013: The Monbukagakusho Scholarship by the Japanese Ministry of Education, Culture, Sports, Science and Technology 2010: The Bolashak International Scholarship 2 Kazakhstani patents •G. Kalimuldina, Y. Nurmakanov, R. Kruchinin,

		"Method for preparation a flexible wearable single-electrode triboelectric nanogenerator", patent #7065, issued 29.03.2022. • G. Kalimuldina, N. Turdakyn, Z. Bekezhankyzy, "Method of producing flexible high-performance piezoelectric nano-generator", patent #7643, issued 02.12.2022. **PI of the projects:** ▪ "Mechanical energy harvesting system based on hybrid nanogenerators" 2022-2024 – Ministry of Education and Science of the Republic of Kazakhstan grant – USD 170,000 ▪ "Novel Approaches on Interface Strengthening between Metal Surface and Polymeric Material" 2023-2025 – NU CRP grant – USD 450,000 ▪ "Smart Robotic Grippers Integrated with Novel Triboelectric Sensors" 2023-2025 – NU FDCRPG grant – USD 150,000 ▪ "Self-charging rechargeable lithium-ion battery" based on mechanical energy harvesting 2020-2022 – FDCRPG NU grant – USD 60,000 ▪ "Development of wearable self-charging power unit" based on mechanical energy harvesting 2020-2022 – MES Young Researchers grant – KZT 77,851,006 ▪ "Mechanical energy harvesting by triboelectric nanogenerator" – NU Social Policy Grant – USD 10,000 **Participating in other projects as a co-PI or leading researcher:** ▪ "Engineering of Multifunctional Materials of Next Generation Batteries" (AP09259764) MES RK, 75 mln tenge for 2021-2023 years. ▪ "Three-dimensional all solid state rechargeable batteries" 2020-2022 –NU CRP grant – USD 450,000

Dean of School of Engineering and Digital Sciences, Nazarbayev University Prof. Elizabeth Arkhangelsky